

**INTERNATIONAL SEARCH REPORT**

International application No

PCT/EP2007/058456

**A. CLASSIFICATION OF SUBJECT MATTER**

INV. A61K31/10 A61K31/192 A61P11/06 A61K31/60 A61K31/618

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/023305 A (INPHARMATICA LTD [GB]; ALLEN JANET MARJORIE [GB]; OVERINGTON JOHN PAUL) 17 March 2005 (2005-03-17) page 29, lines 6,7 page 30, lines 11-15,21 claims 12,16 -----	1-5,9, 10,12
X	EP 1 676 573 A (ESTEVE LABOR DR [ES]) 5 July 2006 (2006-07-05) page 7, paragraph 39 page 9, paragraph 57 claims 1-4,17 ----- -/-	1,2,5-12

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

14 November 2007

Date of mailing of the international search report

06/12/2007

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Damiani, Federica

## INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2007/058456

## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/066894 A (METABONO S A [CH]; SCHERRER URS [CH]; SPARATORE ANNA [IT]) 29 June 2006 (2006-06-29) page 3, line 14 – line 15 page 9, line 14 – line 24 page 12, line 19 – line 20 -----	1-4, 9, 12
X	WO 03/024452 A (BOEHRINGER INGELHEIM PHARMA [DE]; LINZ GUENTER [DE]; SOYKA RAINER [DE]) 27 March 2003 (2003-03-27) page 11, line 25 claims 6, 15 -----	1, 2, 10, 12
X	US 5 374 772 A (CARSON MATHEW [US] ET AL) 20 December 1994 (1994-12-20) column 7, line 16 – line 19 column 13, line 27 – line 54 column 25; examples 48, 49 column 26; example 50 -----	1, 2, 10-12
X	WO 00/38653 A (IDEA INNOVAT DERMAL APP GMBH [DE]; CEVC GREGOR [DE]) 6 July 2000 (2000-07-06) page 11, line 10 page 25, line 30 page 26, line 7 page 46, line 13 claims 13, 23, 50 -----	1, 2, 5, 9-12
X	WO 2005/056544 A (BAYER HEALTHCARE AG [DE]; BOYER STEPHEN J [DE]; HASHIMOTO KENTARO [DE]) 23 June 2005 (2005-06-23) page 27, line 29 – page 28, line 4 page 62; example 52 claims 12, 14 -----	1, 2, 9, 12
X	WO 2004/013108 A (BIODIEM LTD [AU]; SAPRONOV NIKOLAY SERGEEVICH [RU]; PIOTROVSKY LEVON B) 12 February 2004 (2004-02-12) page 9, line 29 – line 36 claims 11, 20, 25, 38, 43 -----	1, 2, 5, 9, 10, 12
X	WO 02/068397 A (MELACURE THERAPEUTICS AB [SE]; PETT CHRISTOPHER PHINEAS [GB]; LUNDSTED) 6 September 2002 (2002-09-06) page 19; compound 4A claim 14 -----	1, 2, 6, 9, 12
X	EP 1 452 521 A (EISAI CO LTD [JP] EISAI R & D MAN CO LTD [JP]) 1 September 2004 (2004-09-01) page 122; example 145 paragraph [0094] claim 26 -----	1, 2, 9, 12
		-/-

## INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2007/058456

## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/25321 A (TEXAS BIOTECHNOLOGY CORP [US]) 17 July 1997 (1997-07-17) page 19 page 76; examples 22g, 23 claims 60, 61 -----	1, 2, 9, 12
X	WO 00/76556 A (NEORX CORP [US]; ABRAMS PAUL G [US]; TATALICK LAUREN M [US]; THOELKE K) 21 December 2000 (2000-12-21) page 9, line 16 - page 10, line 16 claims 7, 72 -----	1, 2, 5, 10-12
P, X	WO 2007/019255 A (NOVARTIS AG [CH]; NOVARTIS PHARMA GMBH [AT]; REBER JEAN-LOUIS [FR]; VI) 15 February 2007 (2007-02-15) page 1, line 20 - line 31 page 3, line 7 - line 18 page 23, line 24 - line 29 page 33, line 8 - line 20 page 37, line 5 - line 9 -----	1, 2, 5, 9-12
P, X	WO 2007/009708 A (ESTEVE LABOR DR [ES]; TORRENS JOVER ANTONIO [ES]; CUBERES ALTISEN MARI) 25 January 2007 (2007-01-25) page 72, line 25 - page 73, line 2 page 125 claim 33 -----	1, 2, 5, 9, 12

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2007/058456

### Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 12 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No

PCT/EP2007/058456

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 2005023305	A	17-03-2005	NONE			
EP 1676573	A	05-07-2006	WO 2006069806 A1			06-07-2006
WO 2006066894	A	29-06-2006	EP 1836160 A1			26-09-2007
WO 03024452	A	27-03-2003	CA 2459493 A1 EP 1429768 A1 JP 2005504076 T MX PA04002401 A			27-03-2003 23-06-2004 10-02-2005 31-05-2004
US 5374772	A	20-12-1994	AU 5195693 A CA 2110116 A1 CN 1092059 A EP 0601385 A1 JP 6211743 A NZ 250336 A ZA 9308988 A			23-06-1994 09-06-1994 14-09-1994 15-06-1994 02-08-1994 27-11-1995 08-06-1994
WO 0038653	A	06-07-2000	AT 272391 T AU 770803 B2 AU 2513799 A BR 9816113 A CA 2356080 A1 CN 1327382 A CZ 20012038 A3 DE 69825495 D1 DE 69825495 T2 EE 200100342 A EP 1140021 A1 ES 2226203 T3 HK 1040629 A1 HR 20010309 A2 HU 0104424 A2 JP 2002533379 T MX PA01006424 A NO 20013164 A PL 349467 A1 RU 2207844 C2 TR 200101790 T2 US 2007184114 A1 US 2002064524 A1			15-08-2004 04-03-2004 31-07-2000 23-10-2001 06-07-2000 19-12-2001 12-09-2001 09-09-2004 28-07-2005 15-10-2002 10-10-2001 16-03-2005 28-01-2005 30-06-2002 28-03-2002 08-10-2002 04-06-2002 22-08-2001 29-07-2002 10-07-2003 22-10-2001 09-08-2007 30-05-2002
WO 2005056544	A	23-06-2005	AR 046888 A1 CA 2548922 A1 US 2005222247 A1			28-12-2005 23-06-2005 06-10-2005
WO 2004013108	A	12-02-2004	AU 2003281848 A1 CA 2494408 A1 EP 1539707 A1 US 2006135587 A1			23-02-2004 12-02-2004 15-06-2005 22-06-2006
WO 02068397	A	06-09-2002	BR 0207706 A CA 2439463 A1 EP 1366028 A1 JP 2004520414 T MX PA03007699 A US 2004092515 A1			23-03-2004 06-09-2002 03-12-2003 08-07-2004 16-03-2004 13-05-2004

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No

PCT/EP2007/058456

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
EP 1452521	A 01-09-2004	WO US 03016265 A1 2005014833 A1			27-02-2003 20-01-2005
WO 9725321	A 17-07-1997	AU EP US 1532497 A 0876364 A2 6265428 B1			01-08-1997 11-11-1998 24-07-2001
WO 0076556	A 21-12-2000	AU CA EP JP 5871000 A 2371728 A1 1191948 A2 2003501488 T			02-01-2001 21-12-2000 03-04-2002 14-01-2003
WO 2007019255	A 15-02-2007	NONE			
WO 2007009708	A 25-01-2007	NONE			